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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/733,124	12/11/2003	Marc Bodet	056982/00037	7890
31013 7590 03/20/2008 KRAMER LEVIN NAFTALIS & FRANKEL LLP INTELLECTUAL PROPERTY DEPARTMENT 1177 AVENUE OF THE AMERICAS NEW YORK, NY 10036				
EXAMINER				
LE, THANH TAM T				
ART UNIT		PAPER NUMBER		
2839				
NOTIFICATION DATE		DELIVERY MODE		
03/20/2008		ELECTRONIC		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

klpatent@kramerlevin.com

# Office Action Summary

## Application No.

10/733,124

## Applicant(s)

BODET ET AL.

## Examiner

Thanh-Tam T. Le

## Art Unit

2839

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 27 December 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1 and 3-16 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1 and 3-16 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-8508)
- Paper No(s)/Mail Date \_\_\_\_\_

- 4) ☐ Interview Summary (PTO-413)
- Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

**DETAILED ACTION**

***RCE***

1. The RCE filed 12/27/07 is acknowledged.

***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1, 3, 12-13 and 15-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Muzslay (4,959,027) in view of Ogawa (5,605,475).

Regarding claim 1, Muzslay, figures 1 and 2 show a pressure-tight contact device for enabling an electrical connection to an electrical device housed in a pressure-tight housing (20), the contact device comprising an insulator (32) extending through the housing, at least one contact pin (24) extending through the insulator, a connector shell (14) of insulating material positioned on the insulator and affixed to the insulator, the connector shell including a terminal socket (40) having at least one contact tab (52) in electrical contact with the at least one contact pin, the connector shell being one of a set of interchangeable connector shells, each connector shell of said set having a different terminal socket configuration suitable for engaging a corresponding different mating connector having a corresponding mating configuration (the Examiner noted that just only one shell is recited).

Muzslay discloses the claimed invention as described above except for the connector shell removably affixed to the insulator and a seal for sealing the insulator relative to the housing.

Muzslay, column 4, lines 9-18 disclose the shell and the insulator are permanently held in place after the applicant deforms the tines 102 and 104. It would have been obvious to one with ordinary skill in the art at the time the invention was made to remove the shell from the insulator before deform the tines for the pin's inspection.

Ogawa, figure 9 shows an electrical connector having O-ring seal 30. It is obvious to one with ordinary skill in the art at the time the invention was made to provide Muzslay to have the O-ring, as taught by Ogawa, in order to create a watertight or hermetic seal therebetween.

Regarding claim 3, Muzslay discloses the electrical device housed in the housing is a motor for driving a compressor.

Regarding claim 12, Muzslay discloses the at least one contact pin is electrically connected to the electrical device and to a source of electrical current.

Regarding claim 13, Muzslay discloses the at least one contact pin is electrically connected to at least one additional electrical device disposed in the housing.

Regarding claims 15 and 16, Muzslay, figure 2 shows the connector shell including a bore/a channel (74) defined for leak testing, the channel being disposed above the at least one contact tab.

4. Claim 14 is rejected under 35 U.S.C. 103(a) as being unpatentable over Muzslay and Ogawa as applied to claim 1 above, and further in view of Nakamura (6,558,178).

Muzslay and Ogawa disclose the claimed invention as described above except for a plurality of projections from at least one contact pin.

Nakamura, figure 4 shows a connecting member (41) having a plurality of lances (46). It would have been obvious to one with ordinary skill in the art at the time the invention was made to provide Muzslay to have the contact having lances, as taught by Nakamura, in order to secure the contact into the insulator.

5. Claims 4-7 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Muzslay (4,959,027) in view of Devine (7,029,327) and Ogawa (5,605,475).

Regarding claim 4, Muzslay, figures 1 and 2 show a pressure-tight contact device for enabling an electrical connection to an electrical device housed in a pressure-tight housing (20), said contact device comprising an insulator (32) extending through said housing, at least one contact pin (24) extending through said insulator, a connector shell of insulating material (14) positioned on said insulator and affixed to said insulator, said connector shell including a shroud (40) and a terminal socket (not labeled) for receiving a connecting cable (16), at least one contact tab (54) mounted in said connector shell, said at least one contact pin elastically and electrically connected to said at least one contact tab, and at least one fastener (102, figure 2) for affixing said connector shell to said insulator, said at least one contact tab and said shroud forming said terminal socket for mating with a connector member of said connecting cable.

Muzslay discloses the claimed invention as described above except for a first O-

ring seal for sealing said insulator relative to said housing, a second O-ring seal for sealing said at least one contact pin relative to said insulator, and a third O-ring for sealing said connector shell relative to said insulator.

Devine, figure 3 shows a watertight device having O-ring sealing members 154 and 158 read as first and second O-ring seals, respectively.

Ogawa, figure 9 shows an electrical connector having O-ring seal 30 reads as a third O-ring seal.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide Muzslay to have the O-ring seals, as taught by Devine and Ogawa, in order to create a watertight or hermetic seal therebetween (Devine, column 3, lines 27-30).

Regarding claim 5, Muzslay, figures 2 and 6 show said at least one contact pin includes at least one tip (not labeled) arranged and constructed to engage at least one opening (64) defined in said at least one contact tab (figure 6).

Regarding claim 6, Muzslay, figure 2 shows said at least one contact tab includes at least one contact face defined by said at least one opening, said at least one contact face bearing against said at least one contact pin to provide an electrical connection between said at least one contact pin and said at least one contact tab.

Regarding claim 7, Muzslay, figure 2 shows said at least one contact pin and said at least one contact tab are positioned proximate one another.

Regarding claim 11, Muzslay, figure 2 shows said at least one fastener is a play-free snap fastener.

6. Claims 8 and 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Muzslay (4,959,027) in view of Devine (7,029,327) and Ogawa (5,605,475) as applied to claim 4 above, and further in view of Cady (5,295,863).

Muzsly, Devine and Ogawa disclose the claimed invention as described above except for nose members for positioning said at least one contact tab in said connector shell and the at least one contact tab is held in position in said connector shell by means of a crimp.

Cady, figures 2 and 3 show an electrical connector having a conductive pin (40) having a flared portion (52) would reads as nose members. It would have been obvious to one having ordinary skill in the art at the time the invention was made to crimp the conductive pin to have the flared portion, as taught by Cady, in order to provide a friction fit into a bore (Cady, column 5, lines 45-49).

7. Claim 10 is rejected under 35 U.S.C. 103(a) as being unpatentable over Muzslay (4,959,027) in view of Devine (7,029,327) and Ogawa (5,605,475) as applied to claim 4 above, and further in view of Klemen (5,511,990).

Muzsly, Devine and Ogawa disclose the claimed invention as described above except for the at least one fastener is a bolt.

Klemen, figure 2 show a connector assembly having screw (22) that secure the retainer plate 20 to the receptacle 14. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide Muzslay to have the screw, as taught by Klemen, in order to have more security between the shell and

the insulator.

***Response to Arguments***

8. Applicant's arguments filed 12/27/07 have been fully considered but they are not persuasive.

On page 8, Applicant argues "Muzslay provides that the adapter is permanently held in place once it is installed on the injector". The Examiner disagrees, see the above rejection.

On page 10, Applicant argues "Ogawa nowhere describes, teaches or suggests the contact device according to the present invention as affirmatively claimed in independent claims 1 and 16 of the present application comprising an interchangeable connector shell that is one of a set of interchangeable connector shells having different terminal socket configurations suitable for engaging various corresponding mating connectors having corresponding mating configurations." The Examiner disagrees. The limitations above are readable as calling for selection of the shell from among a set of different type connector shells and such limitations do not define over the Muzslay single shell fixed onto his device.

The allowable subjected matter of claims 4-11 have been withdrawn based on a new ground of rejection.



***Conclusion***

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh-Tam T. Le whose telephone number is 571-272-2094. The examiner can normally be reached on 7:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, TC Patel can be reached on 571-272-2098. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Thanh-Tam T. Le/

Primary Examiner, Art Unit 2839.

3/11/08.